Index of Claims

| Application/Control No. | Applicant(s)/Patent under Reexamination | |
|-------------------------|---|--|
| 09/975,841 | SMITH ET AL. | |
| Examiner | Art Unit | |
| Nguyen Ngo | 2616 | |

| √ | Rejected |
|---|----------|
| = | Allowed |

| | (Through numeral) Cancelled |
|---|--------------------------------|
| ÷ | Restricted |

| N | Non-Elected |
|---|--------------|
| ı | Interference |

| A | Appeal |
|---|----------|
| 0 | Objected |

| | | | | | | | | ٠ | | |
|-------------------------------------|--|--------------|--------------|--|--|--|--|--|----------|----------|
| Cla | im | Date | | | | | | | | |
| Final | Original | 10/847 | | | | | | | | |
| | 1 | 7 | | | | | | \Box | \neg | |
| | 2 | 1 | Г | | | | | | | |
| | 3 | | | | | | | | | |
| | 4 | | | | | | | | | |
| | 5 | | | | | | | | | |
| | 6 | Ц | | | | | | | | |
| | 1 2 3 4 5 6 7 8 | Ц | | <u> </u> | | | | | | _ |
| | 8 | Ц | <u> </u> | | | | | | | |
| | | \sqcup | _ | | _ | | | _ | | _ |
| | 10 | Н | <u> </u> | | | | | | | _ |
| | 11 | H | <u> </u> | | - | | | | _ | |
| | 10 11 12 13 14 15 | ⊢┼ | | - | H | | - | | | \dashv |
| | 14 | - | ├- | - | ⊢ | | | Н | \vdash | \dashv |
| | 15 | ⊣ | ├ | ┢ | | - | - | - | _ | \dashv |
| | 16 | + | ├ | - | | _ | | H | | \dashv |
| | 17 | + } | ⊢ | \vdash | ┢ | \vdash | | - | | |
| | 16 17 18 19 20 21 22 23 | H | ├ | 一 | \vdash | | \vdash | | | \dashv |
| | 19 | + | \vdash | \vdash | \vdash | \vdash | | - | | - |
| | 20 | ++ | \vdash | - | - | _ | _ | | | |
| | 21 | ++ | \vdash | | | | \vdash | | - | |
| | 22 | Ħ | | T | _ | _ | \vdash | | | |
| | 23 | Ħ | | | | Г | | | | |
| | 24 | Ħ | | | | | | Г | | |
| | 25 | П | | | | | | | | |
| | 26 | \prod | | | | | | | | |
| | 24 25 26 27 28 29 | П | | | | | | | | |
| | 28 | П | | | | | | | | |
| | 29 | Ц | L_ | | <u> </u> | | | $ldsymbol{ld}}}}}}$ | | |
| <u> </u> | 30 31 | Ц | _ | <u> </u> | <u> </u> | <u> </u> | | | | |
| <u> </u> | 31 | ⇊ | ļ | <u> </u> | _ | <u> </u> | <u> </u> | \vdash | <u> </u> | Ш |
| بُ | 32 33 | ╀ | <u> </u> | - | <u> </u> | \vdash | <u> </u> | <u> </u> | | Ш |
| | 33 | \vdash | \vdash | \vdash | ├- | - | - | - | | _ |
| <u> </u> | 25 | | | \vdash | \vdash | - | - | \vdash | \vdash | \vdash |
| | 35 36 | ار. ا | \leftarrow | +- | \vdash | ₩ | \vdash | \vdash | \vdash | \vdash |
| \vdash | 37 | + | \vdash | +- | \vdash | \vdash | ├ | | \vdash | \vdash |
| | 38 | 1 | \vdash | + | \vdash | | | \vdash | \vdash | |
| | 38 39 | 1 | H | t | t | | | \vdash | - | |
| \vdash | 40 | † | H | | | | | \vdash | \vdash | Н |
| | 41 | t | T | \vdash | | t | Т | \vdash | H | |
| | 42 | T | Г | Т | | Ι- | | | <u> </u> | |
| | 43 | T | | <u> </u> | | | | | | |
| | 44 | | | | | | | | | |
| | 45 | | | L | | | | | | |
| | 46 | | | | | | | | | |
| | 47 | $oxed{\Box}$ | Ĺ | | \sqsubseteq | | | L_ | | |
| $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | 48 | <u> </u> | _ | 1 | | <u> </u> | | $oxed{oxed}$ | <u> </u> | <u> </u> |
| <u></u> | 49 | ↓_ | _ | ┺ | \vdash | <u> </u> | <u> </u> | - | <u> </u> | <u> </u> |
| 1 | 50 | 1 | t | 1 | 1 | ı | 1 | 1 | 1 | I |

| The color of the | la | im | | | | | ate | , | | | | | Cla | im | | | | C | ate | • | | | |
|--|----|----|----------|----------------|--------------|---|--------------------------------|--------------|--|----------|----------|---|-----|-----|-----------------|----------|---------------|---------------|--------------------|----------|----------|----------|----------|
| S2 | | | CO/84/7 | | | | | | | | | | | | | | | | | : | | | |
| S2 | 7 | 1 | 1 | | | _ | | | | \neg | | | | 51 | _ | | \neg | | | - | | ┪ | \dashv |
| 3 4 6 6 55 56 55 56 56 56 57 58 59 10 59 10 60 60 60 61 61 62 63 64 65 63 64 65 66 67 65 66 67 66 67 68 69 69 69 69 69 69 69 69 69 69 69 69 69 69 69 69 69 | + | | 1 | | | | | | | | | | | 52 | | | | | | | | \neg | 一 |
| 4 5 6 7 | + | 3 | + | - | | | | | \neg | | | ı | | 53 | \dashv | \neg | | | | | | 一 | \neg |
| 5 6 1 55 56 7 7 8 8 58 59 60 61 11 61 61 12 62 63 63 64 64 65 66 66 66 66 66 67 67 68 69 69 70 71 71 71 72 73 74 75 75 75 75 75 75 76 77 78 79 30 74 75 76 77 78 79 30 31 81 82 83 33 84 84 33 84 88 89 84 88 89 90 <td>┪</td> <td>4</td> <td>+</td> <td></td> <td>-</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Ì</td> <td></td> <td>54</td> <td>\dashv</td> <td>\neg</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>ᅥ</td> <td></td> | ┪ | 4 | + | | - | | | | | | | Ì | | 54 | \dashv | \neg | | | | | | ᅥ | |
| 7 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ | ✝ | 5 | + | | | | т | | | | | 1 | - | 55 | \dashv | \dashv | \neg | | | | \neg | \dashv | |
| 7 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ | 7 | 6 | \top | | | | | | | | | ŀ | | 56 | | \neg | | _ | | | | _ | |
| 8 1 58 59 10 10 60 60 11 61 62 63 13 63 64 65 15 66 66 66 16 67 68 69 20 70 71 72 21 71 72 73 24 72 73 74 25 76 77 77 28 79 78 79 30 70 80 81 31 77 77 78 29 70 80 81 33 74 82 79 30 80 81 82 33 83 84 85 36 37 88 88 39 89 90 90 41 92 92 93 44 94 94 94 | + | 7 | + | | | _ | | | | | | l | | | | | | | | | | 一 | |
| 9 | 7 | 8 | 1 | | | | | | | | | İ | | 58 | $\neg \uparrow$ | | | | | | | | \neg |
| 10 | 7 | 9 | 1 | \vdash | | | | | | | | | | 59 | | | | | | | | コ | |
| 11 12 13 61 62 63 64 64 64 65 66 66 67 66 67 68 69 69 69 69 69 69 70 71 72 73 73 74 72 73 74 75 76 77 78 79 78 79 78 79 78 79 80 81 81 82 83 33 84 85 86 87 38 88 88 39 90 90 90 90 91 92 93 94 94 94 94 94 94 94 94 94 94 95 <td< td=""><td>┪</td><td>10</td><td>1</td><td></td><td></td><td></td><td></td><td></td><td></td><td>_</td><td></td><td>l</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<> | ┪ | 10 | 1 | | | | | | | _ | | l | | | | | | | | | | | |
| 12 | ┪ | 11 | | | | | | | | | | | | | | | | | | | | | |
| 13 | T | 12 | 1 | | | | | | | | | Ì | | 62 | | | | | | | | \dashv | \neg |
| 14 | 7 | 13 | \top | | | | | | | | | | | | | | | | | | | \neg | ╗ |
| 15 | ┪ | 14 | \top | | | | - | | | | | | | 64 | | | | | | | | | |
| 16 1 17 1 66 67 68 69 69 69 70 71 71 71 72 72 73 74 72 73 74 74 74 75 76 77 78 79 78 79 79 78 79 7 | ┪ | 15 | 7 | | | | | | | | | | | 65 | | | | | | | | \Box | |
| 17 | ┪ | 16 | 7 | _ | | | Т | _ | $\overline{}$ | | Г | | | 66 | \Box | _ | | | \vdash | | | | |
| 18 68 69 20 70 71 21 72 73 23 74 72 23 74 72 23 74 74 25 75 75 26 77 77 28 79 30 30 80 31 31 81 82 33 82 83 34 84 84 35 86 87 38 88 88 89 40 90 90 90 41 91 92 93 43 94 94 94 | 7 | 17 | | \vdash | \vdash | | П | | | | | | | 67 | \Box | | | | | | | | |
| 19 1 69 20 70 71 21 72 72 23 73 74 25 75 76 27 77 77 28 77 78 29 70 77 30 70 80 31 70 81 32 70 80 33 70 81 34 70 82 33 70 83 34 70 84 35 70 86 37 88 85 36 70 86 37 87 88 38 88 88 39 40 89 40 90 90 41 91 91 42 92 93 43 44 94 | 7 | 18 | | | | | П | | | | _ | | | | \Box | \neg | | $\overline{}$ | _ | | | | |
| 20 70 21 71 22 72 23 74 25 75 26 77 28 77 28 79 30 80 31 81 32 82 33 84 35 86 37 88 36 86 37 88 38 85 36 86 37 88 39 89 40 90 41 91 42 92 43 94 44 94 | 7 | 19 | 1 | \vdash | | _ | \vdash | - | | - | | | | | | | | _ | _ | | | | |
| 21 71 22 72 23 73 24 74 25 75 26 76 27 77 28 79 30 80 31 81 32 82 33 83 34 84 35 85 36 86 37 88 88 39 89 90 41 91 92 43 94 94 44 94 94 | ┪ | 20 | Ħ | \vdash | | _ | | | | | \vdash | | | 70 | | | | $\overline{}$ | | | | | |
| 22 72 23 73 24 74 25 75 26 76 27 77 28 78 29 79 30 80 31 81 32 82 33 83 34 84 35 85 36 86 37 88 88 39 89 90 41 91 92 43 94 94 44 94 94 | ┪ | 21 | \vdash | Н | | | | \vdash | | \vdash | - | | | 71 | | | | _ | | | | | |
| 23 1 24 1 25 1 26 1 27 1 28 1 29 1 30 1 31 1 32 1 33 1 34 1 35 1 36 37 38 88 39 40 41 91 42 92 43 94 44 94 | 7 | | Ħ | | \vdash | | \vdash | \vdash | | | | | | 72 | | | | \vdash | | | | П | |
| 24 <td< td=""><td>1</td><td>23</td><td>Ħ</td><td>_</td><td>\vdash</td><td></td><td>H</td><td> </td><td>_</td><td>\vdash</td><td>\vdash</td><td></td><td></td><td>73</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<> | 1 | 23 | Ħ | _ | \vdash | | H | | _ | \vdash | \vdash | | | 73 | | | | | | | | | |
| 25 1 75 26 1 76 27 1 77 28 1 77 28 1 78 29 1 79 30 1 80 31 81 82 33 1 82 33 83 83 34 1 84 35 1 85 36 86 86 37 88 89 40 90 90 41 91 92 43 94 94 44 94 94 | ┪ | 24 | Ħ | T | | | | | | | | | | 74 | | | | | | | | | |
| 26 1 27 1 28 1 29 1 30 1 31 1 32 1 33 1 34 1 35 1 36 37 38 86 39 40 40 90 41 91 42 92 43 94 44 94 45 95 | 7 | 25 | H | <u> </u> | | | | _ | | | | | | 75 | П | | | | | | | | |
| 27 77 28 78 29 79 30 80 31 81 32 82 33 83 34 84 35 85 36 86 37 87 88 39 89 90 40 90 90 41 91 92 43 94 94 44 94 94 45 95 | 寸 | 26 | 1 | - | - | | _ | | | Г | | | | 76 | | | | | | | | | |
| 28 78 29 79 30 80 31 81 32 82 33 83 34 84 35 85 36 86 37 87 87 38 88 88 39 90 90 41 91 92 43 93 94 44 94 94 45 95 | ┪ | 27 | \vdash | | Г | | - | | | | | | | | П | | | | | | \vdash | | |
| 29 1 30 1 31 1 32 1 33 1 34 1 35 1 36 37 38 86 39 88 40 90 41 91 42 92 43 94 44 94 45 95 | 7 | 28 | | | | | | | | | | i | | 78 | | | | | | | | П | |
| 30 \ 31 \ 32 \ 4 \ 33 \ 4 \ 35 \ 37 \ 38 \ 39 \ 40 \ 41 \ 42 \ 43 \ 44 \ 45 \ 95 \ 80 \ 81 \ 81 \ 82 \ 83 \ 83 \ 84 \ 85 \ 86 \ 87 \ 88 \ 89 \ 90 \ 90 \ 90 \ 90 \ 90 \ 90 | ┪ | 29 | H | 1 | | | | · | | | | | | 79 | | | $\overline{}$ | | | | \vdash | П | |
| 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 | 寸 | 30 | Ħ | | | | Г | | \vdash | | | | | 80 | | | | | | | | | |
| 32 | ᅦ | 31 | | Г | | _ | | | | | | 1 | | 81 | | | | | Г | | | | |
| 33 | ヿ | 32 | H | | | | | | | | | 1 | | 82 | | | | | | | | | |
| 34 1 84 85 85 86 86 87 87 88 88 88 89 89 89 89 89 89 89 89 89 89 | ᄀ | 33 | П | | | | П | | | | Г | | - | 83 | | | | | | П | | | |
| 35 1 36 37 38 87 39 88 40 90 41 91 42 92 43 93 44 94 45 95 | ٦ | 34 | H | | | Г | | | | | | | | 84 | | | | | | | | | |
| 36 J 86 37 87 38 88 39 88 40 90 41 91 42 92 43 93 44 94 45 95 | | 35 | 1 | \overline{r} | Г | Г | | | | | | 1 | | 85 | | | | | | | | | |
| 37 87 38 88 39 89 40 90 41 91 42 92 43 93 44 94 45 95 | | 36 | J | | Г | П | | Г | Г | | | | | 86 | П | | | | Г | | | | |
| 38 88 39 89 40 90 41 91 42 92 43 93 44 94 45 95 | T | 37 | | | | | | | | | | | | 87 | | | | | | | | | |
| 39 89 40 90 41 91 42 92 43 93 44 94 45 95 | T | 38 | | Γ | | | | | Г | Γ | | | | 88 | | | | | | | | | |
| 40 41 42 43 44 44 45 | | 39 | | | Г | | | | | | | | | 89 | | | | | | | | | |
| 42 | | 40 | | | | | | | | | | | | 90 | | | | | | | | | |
| 43 93 94 94 95 95 95 95 95 95 95 95 95 95 95 95 95 | | 41 | | | Г | | | | | | | | | 91 | | | | | | | | | |
| 44 94 95 95 | | 42 | | | | | Ī., | | | | | | | | | | | | | | | | |
| 45 95 | | 43 | | | | | | | | | | | | | | | | | | | | | |
| | | 44 | | | | | | | | | | | | 94 | | | | | | | | <u> </u> | |
| 46 96 | | 45 | | | | | | | | | | | | | | | | | | | | | |
| | | 46 | | | | | | | | | |] | | 96 | | | | | L | L | \Box | | \Box |
| 47 97 97 | | 47 | L | | | | | | | | | | | 97 | \Box | | | L | $oxedsymbol{oxed}$ | 匚 | | | L_ |
| 48 98 | | | | | | | | | | Ĺ | |] | | | | | _ | L | L | L_ | | _ | |
| 49 99 | | 49 | _ | | $oxed{\Box}$ | _ | $oxedsymbol{oxedsymbol{oxed}}$ | <u> </u> | <u> </u> | <u> </u> | ļ | | | 99 | \sqcup | | L. | ļ | \vdash | L | _ | _ | <u>L</u> |
| 50 100 | | 50 | <u>L</u> | <u> </u> | <u> </u> | | | | $ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{L}}}}$ | <u></u> | <u> </u> |] | L | 100 | | | L | | <u>L</u> | <u> </u> | <u> </u> | <u></u> | |

| Cla | aim | Date | | | | | | | | | |
|--|---|----------|------------|--|--------------|-------------------------------------|-------------------|----------|----------|---|--|
| | | | | | | | | | | \neg | |
| Final | Original | | | | | | | | | | |
| | 101 102 103 | | | | | | | | | | |
| | 102 | | | | | | | | | | |
| | 103 | | | | | | | | | | |
| | 104 | | | | | | | | | _ | |
| | 105 | | | | | | | | | | |
| | 104 105 106 107 | | | | | | | | | 4 | |
| | 107 | \vdash | | \vdash | | Н | | | | \dashv | |
| | 108 109 | Н | | ш | | | | | | \dashv | |
| | 110 | H | | Н | | | | | | | |
| | 111 | \vdash | | Н | | | | | | | |
| | 112 | _ | | | | | - | | | \dashv | |
| | 113 | | | | | | | | | | |
| | 114 | | | | | | | | | | |
| | 113 114 115 | | | | | | | | | | |
| | 116 117 | | | | | | | | | | |
| | 117 | | | | | | | | | | |
| | 118 | | | L | | _ | _ | | | Ш | |
| | 119 | | lacksquare | _ | _ | _ | L | _ | | \square | |
| | 120 | _ | ļ | <u> </u> | _ | H | ļ | - | <u> </u> | Щ | |
| | 121 | ├— | | _ | | \vdash | | \vdash | <u> </u> | | |
| - | 122 | ⊢ | ├ | - | | ├— | ├─ | | | \dashv | |
| | 123 | - | | - | H | - | | ┝ | \vdash | H | |
| | 125 | ┢ | ┢─ | | - | \vdash | | - | - | | |
| - | 126 | \vdash | | | | ┢ | | | | | |
| | 127 | | | | | \vdash | | | | | |
| | 119 120 121 122 123 124 125 126 127 128 129 130 131 | | | | | | | | | | |
| | 129 | | | | | | | | | | |
| | 130 | | | | | | | | | | |
| | 131 | | <u> </u> | <u> </u> | | Щ | | <u> </u> | <u> </u> | Ш | |
| | 132 | _ | | <u> </u> | _ | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | | <u> </u> | _ | \vdash | |
| | 133 134 | _ | _ | ┝ | _ | <u> </u> | | _ | | Н | |
| | 135 | - | - | - | | - | - | ┢ | | Н | |
| ļ | 136 | ┪ | ┢ | \vdash | \vdash | ┝ | | ├ | | \vdash | |
| | 136 137 | | | | \vdash | \vdash | | ┢ | \vdash | Н | |
| | 138 | | \vdash | | | | Т | \vdash | \vdash | Н | |
| | 139 | | 1 | - | | | T | | <u> </u> | П | |
| | 140 | | | | | | Г | | Г | П | |
| | 141 | | | | | | | | | | |
| | 142 | | | | | | | | | | |
| | 143 | <u> </u> | <u> </u> | 1 | <u> </u> | _ | $ldsymbol{f eta}$ | _ | 1 | Ш | |
| | 144 | | <u> </u> | - | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> | Ш | |
| <u> </u> | 145 | <u> </u> | _ | <u> </u> | \vdash | <u> </u> | _ | <u> </u> | - | \vdash | |
| <u> </u> | 146 | ⊢ | - | | - | | \vdash | \vdash | <u> </u> | \vdash | |
| | 147 | +- | \vdash | ╁ | | ├ | \vdash | \vdash | \vdash | - | |
| <u> </u> | 149 | ├─ | - | | \vdash | \vdash | | \vdash | \vdash | \vdash | |
| | 150 | \vdash | 1 | T | \vdash | \vdash | - | 1 | | | |
| L | 1 .50 | Ь_ | | | | | | — | | نــــــــــــــــــــــــــــــــــــــ | |